



# FACILITY COMPLIANCE AUDIT REPORT

## Division of Waste Management Solid Waste Section

### UNIT TYPE:

Lined MSWLF	<b>X</b>	LCID	<b>X</b>	YW	<b>X</b>	Transfer		Compost		SLAS		<b>COUNTY: BUNCOMBE</b> <b>PERMIT NO.: 11-07</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW	<b>X</b>	White goods	<b>x</b>	Incin		T&P	<b>X</b>	FIRM		
CDFL	<b>X</b>	Tire T&P / Collection	<b>X</b>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: 06/08/09.

Date of Last Audit: 01/23/09

### **FACILITY NAME AND ADDRESS:**

Buncombe County Solid Waste Management Facility  
85 Panther Branch Road,  
Alexander, NC 28701

**GPS COORDINATES: (Decimal Degrees) N: 35.72600 W: -82.63655**

### **FACILITY CONTACT NAME AND PHONE NUMBER:**

Jerry Mears, Buncombe County Solid Waste Director  
Kristy Smith, Buncombe County Bioreactor Manager  
Telephone: 828-250-5462

### **FACILITY CONTACT ADDRESS (IF DIFFERENT):**

n/a

### **AUDIT PARTICIPANTS:**

Andrea Keller, NCDENR– Solid Waste Section (SWS)  
Deb Aja, NCDENR– SWS  
Susan Wilson, NCDENR – Division of Water Quality  
Darlene Kucken, NCDENR – Division of Land Quality  
Jerry Mears, Buncombe County  
Kristy Smith, Buncombe County

### **STATUS OF PERMIT:**

Issued September 12, 2006  
Expires September 12, 2011

### **PURPOSE OF AUDIT:**

Comprehensive Audit

### **NOTICE OF VIOLATION(S):**

None

### **AREAS OF CONCERN AND COMMENTS:**

1. Current weather conditions were sunny, dry, mid 80's. Weather conditions for the previous month (of May) were wetter than average.
2. As part of the Division of Water Quality (DWQ), Surface Water Protection audit, sampling schedule/techniques and monitoring records were reviewed. Additionally, sediment ponds (No. 3, 4, 5, 7, and 10) were inspected. Pond 5 has some larger growth/trees encroaching on the sed basin – may require maintenance.
3. As part of the Land Quality (LQ) audit, erosion controls, sedimentation ponds, and the borrow area were

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inspected.

4. A partial review was conducted of the groundwater monitoring wells. Full inspection of wells will be completed at a later date. Inspected wells (MW-6, MW-6D, MW-7, MW-14, and MW-14D) were in good condition, labeled, locked, with concrete pads and access roads.
5. Sediment pond #11, below the CDLF, contained silt runoff (lost approx. ½ the volume of the basin). The slopes were hydroseeded in May, 2009 but due to the excessive rain over the month of May, severe gulys and rills had developed. Landfill manager was aware of the conditions and intended to conduct maintenance of slopes, weather-permitting. DWQ cannot close out this area of the permit as the area is not considered stable at this time.



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6. The working face of the CDLF was inspected:
  - a. The upper (active portion) section of the CDLF curves around the designated asbestos disposal area. LF manager stated that signs for controlling/designating the area for asbestos disposal were on order.
  - b. Weekly soil cover was adequate.
  - c. Little-to-no windblown materials were noted surrounding the active working face of the CDLF.
  - d. Active working area was restricted, approximately, to less than a ½ acre.
  - e. No unacceptable wastes were noted at the landfill.
7. The working face of the MSWLF was inspected:
  - a. Fences for controlling windblown materials were in place, laborers were collecting windblown materials from the edge of the active cell (Cell 6) and the Cell 6 fencing was free of windblown debris.
  - b. Some ponding of water was observed in areas where heavy traffic had left ruts in the soil cover (no exposed waste was observed). It is recommended that these areas be evened out and shaped to divert water away from the operational area.
  - c. ACMs were not in use during site visit. It was noted that posi-shell had been used on occasion the previous week.
  - d. Random waste screenings were taking place (visual inspections) at the working face during the audit. Unacceptable wastes are pulled from the disposal area and taken to the appropriate facility location (example: tires, white goods). Facility has started (approximately 3 months ago) collecting mattresses in semi trailers (located off the access road prior to entry onto to Cell 6) for recycling. This activity should be incorporated into the Operational Plan/permit during the next renewal/permit modification for the facility.
  - e. Edge of waste/liner boundaries are currently marked at the MSWLF with flagging and/or metal rods. Notified LF manager of Section policy concerning requirement to mark edge-of-waste boundaries for all active and inactive landfills by January 2010.
  - f. The active working area unit was restricted in size to approximately a ½ acre (or less). Access was controlled through use of operators on site and the large free-standing windblown fencing. Soil cover was good – much improved from previous site audits.

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8. The T&P area of the facility is still producing mulch on site, for use as ACM material (not for public consumption).
9. The soil borrow area was inspected (LQ). Mulch is brought to this area for mixing with soil for ACM use.
10. Access roads were well maintained at the facility. Signs were in place to direct waste haulers/general public to appropriate disposal locations.
11. The leachate pond had approximately 2-3 feet of freeboard visible – leachate is hauled to the treatment and processing plant (bioreactor is saturated and no recirculation is occurring at this time).
12. Fire prevention activities/review is conducted annually (July). Fire prevention/controls were in place.
13. Waste screening records (1% of incoming waste, minimum) were available for review at the office. Weekly in-depth screening was conducted in accordance with the approved permit. It was noted that the one in-depth inspection per week (in addition to the ongoing visual screening records reviewed at the working face) were for either the CDLF or the MSWLF. **It is recommended that an individual waste screening event be conducted for each landfill type, one per week.**
14. Tire records were reviewed and were in order. The tire acceptance area was orderly (semi trailers) and controlled.
15. Methane monitoring records were reviewed. Methane monitoring was conducted, in accordance with the permit, at all facility structures and at two methane monitoring well (MMW) locations. Two additional MMW will be installed, and added to the monitoring schedule, by the end of the year. [% LEL has been added to the data sheets]. It was noted that records were unavailable for the 2004 to 2007 time frame.
16. Groundwater monitoring records were reviewed. Most recent sampling event was conducted in April 2009. Note the following requirement for groundwater monitoring data presentation [15A NCAC 13B 1632(j)]:  
*Within 14 days of completing **the statistical analysis** for the analytical data from ground-water samples, the owner or operator shall submit to the Division a report that includes all information from the sampling event; including **field observations** related to the condition of the monitoring wells, field date, laboratory data, statistical analysis, sampling methodologies, quality assurance and quality control data, information on ground-water flow direction, calculations of ground-water flow rate, for each well and constituents that exceed ground-water standards or show a statistically significant increase over background levels, and any other pertinent information related to the sampling event.*  
No statistical analysis of analytical data was available in the reporting format supplied by the sampling subcontractor. **Please address this issue, and all other discrepancies between the existing reporting method and the requirements stated above, during the next semi-annual groundwater monitoring event.**
17. Training certifications were reviewed:
  - a. Jerry Mears, MOLO expires 5/25/2010
  - b. Kristy Smith, MOLO expires 2/09/2011
  - c. Roger Chastain, Operator Certification expires 3/12/2010
  - d. Dean Payne, Operator Certification expires 2/13/2012
  - e. Nancy Litz, Operator Certification expires 2/13/2012

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- f. Charles Biddix, Operator Certification expires 2/13/2012
  - g. Jimmy Danner, Operator Certification expires 2/13/2012
  - h. Kristy Smith, Bio-Reactor Manager expires 10/22/2011
18. During the inspection it was stated that work had been conducted to prepare the inactive portion of Cell 6 for waste disposal (controls existed to separate storm water from waste/leachate and the sump pump/piping system for the discharge lines to sedimentation pond have been permanently disconnected). The approved Modification to the Permit to Operate (Permit #11-07, dated July 15, 2008) Attachment 4 Conditions of Permit, Part II Municipal Landfill Unit Specific Conditions, Items #23 and #24 state:

#23 – Prior to disposal in a new cell previously separated from the active disposal cell by rainwater and leachate separation devices involving rainwater flaps welded to the liner **and/or disconnected leachate lines**, a construction certification shall be placed in the facility operating record. The certification must describe the proper removal of temporary rainwater devices and reconnection of leachate collection lines in accordance with Attachment 3, Part II, Document No. 8 of this permit. The document must also contain a **statement of certification** by the facility's trained landfill operator, N. C. registered professional engineer, or other person approved by the Section, that the construction was properly completed according to the approved plans.

#24 – The proper removal of geotextile covering the gravel column, occurring with the progression of fill, shall be **documented by the facility's trained landfill operator**, or other person approved by the Section, in accordance with Attachment 3, Part II, Document No. 8 of this permit, and the documentation shall be **placed in the facility's operating record**.

As discussed during the audit, it is required that some type of facility operating record be kept up-to-date regarding site activities. For the above-referenced modifications (#23 and #24) it is not required that you communicate with the Section concerning the scheduling or certification of the construction changes. However, during inspections these documents may be requested and it is in the best interest of the landfill to maintain this type of record.

Please contact me if you have any questions or concerns regarding this audit report.



\_\_\_\_\_ (signature) Phone: (828) 296-4700 \_\_\_\_\_.

**Andrea Keller**  
Environmental Senior Specialist  
**Regional Representative**

Mailed on : <u>06/16/09</u> by		hand delivery		US Mail		Certified No.
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cc: Mark Poindexter, Field Operations Branch Supervisor  
Deb Aja, Western District Supervisor  
Donald Herndon, Compliance Officer